T05290 "EC088860

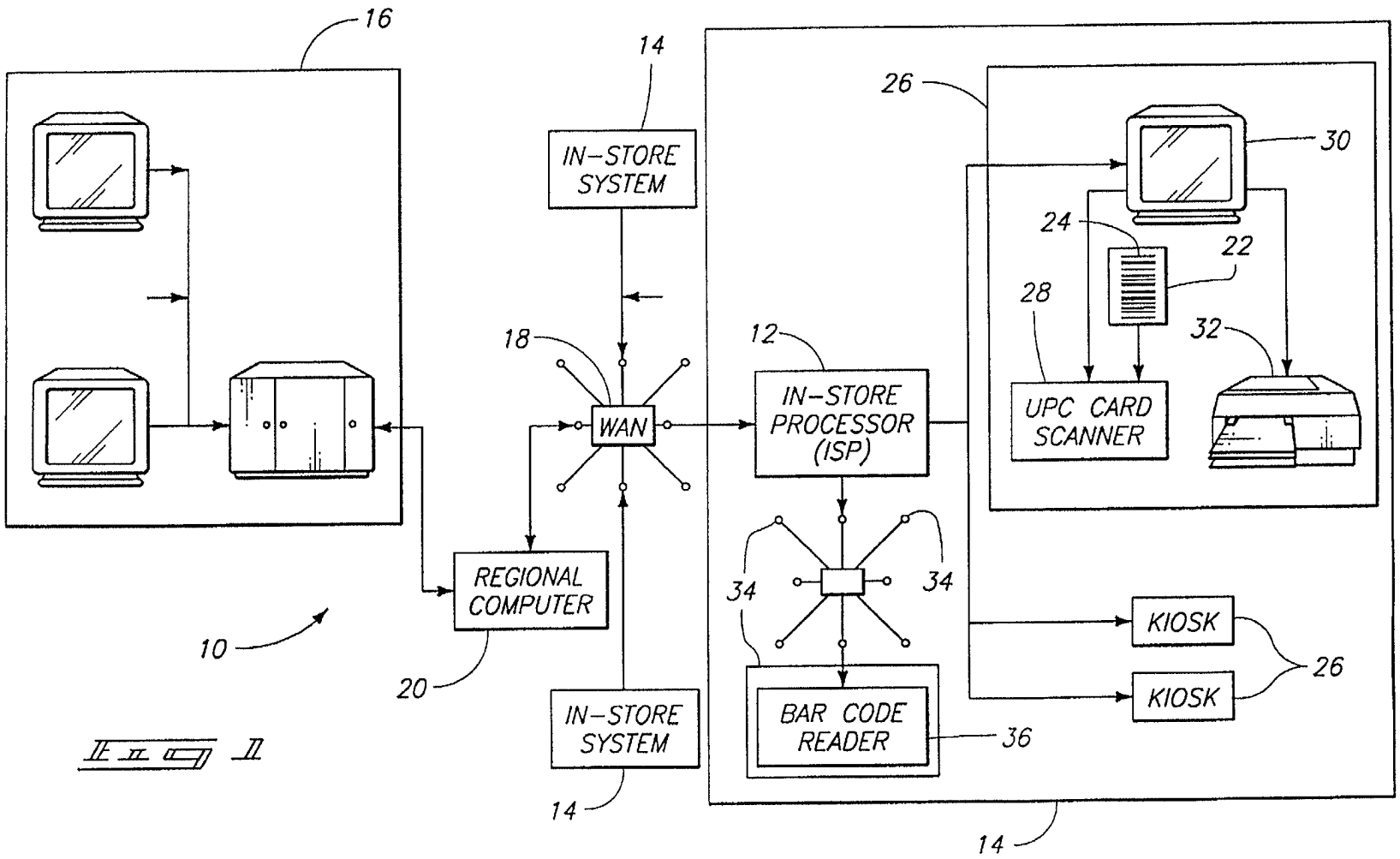

Fig. 1

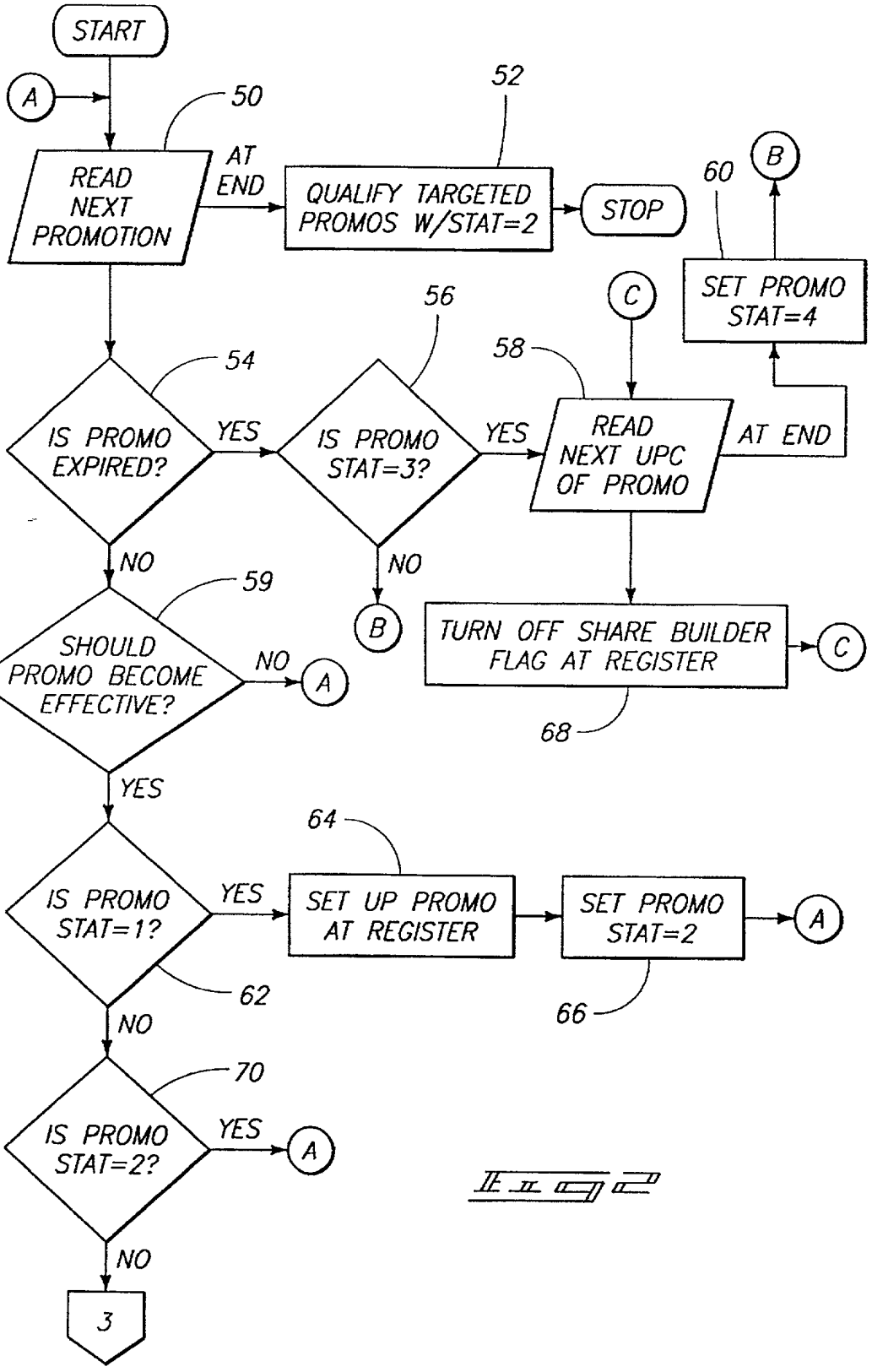
START
A
50
READ NEXT PROMOTION
AT END
52
QUALIFY TARGETED PROMOS W/STAT=2
STOP
60
B
SET PROMO STAT=4
C
56
58
54
IS PROMO EXPIRED?
YES
IS PROMO STAT=3?
YES
READ NEXT UPC OF PROMO
AT END
NO
NO
59
B
SHOULD PROMO BECOME EFFECTIVE?
NO
A
TURN OFF SHARE BUILDER FLAG AT REGISTER
C
68
YES
64
IS PROMO STAT=1?
YES
SET UP PROMO AT REGISTER
SET PROMO STAT=2
A
62
66
NO
70
IS PROMO STAT=2?
YES
A
NO
3

Fig 2

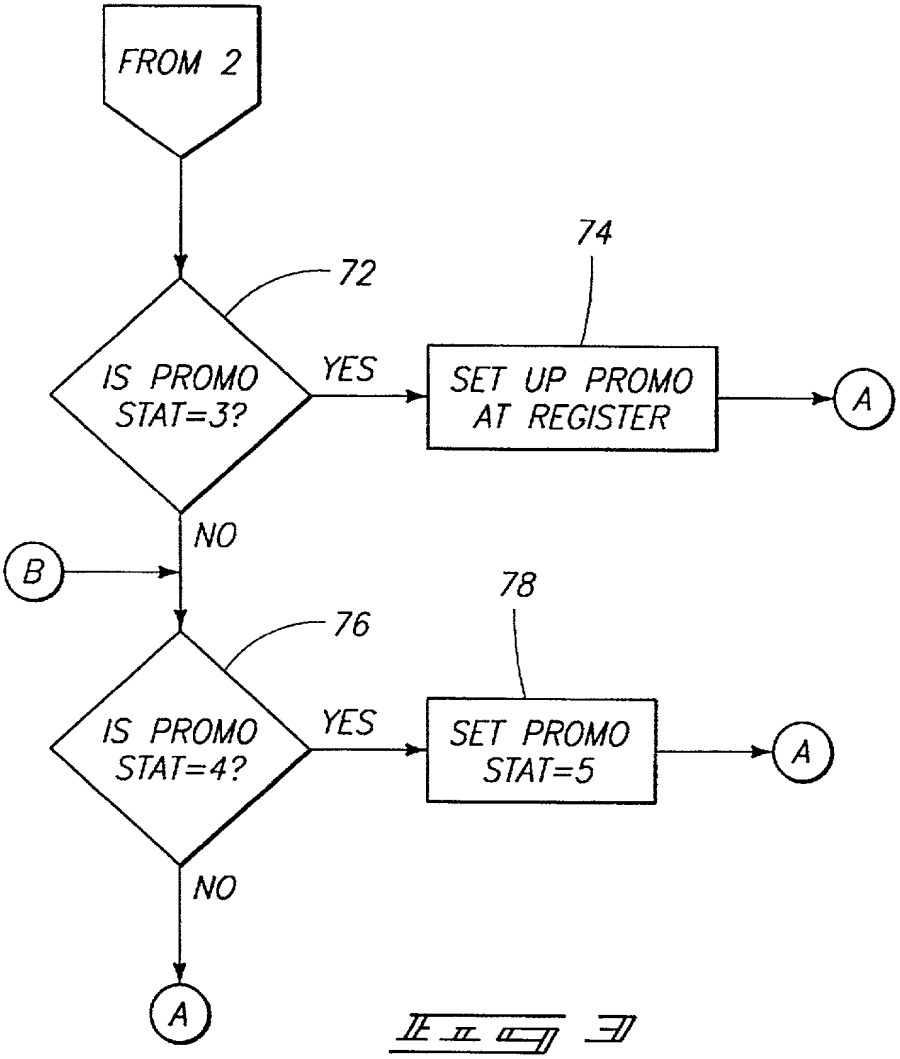
FROM 2
72
74
IS PROMO STAT=3?
YES
SET UP PROMO AT REGISTER
A
NO
B
78
76
IS PROMO STAT=4?
YES
SET PROMO STAT=5
A
NO
A

Fig 3

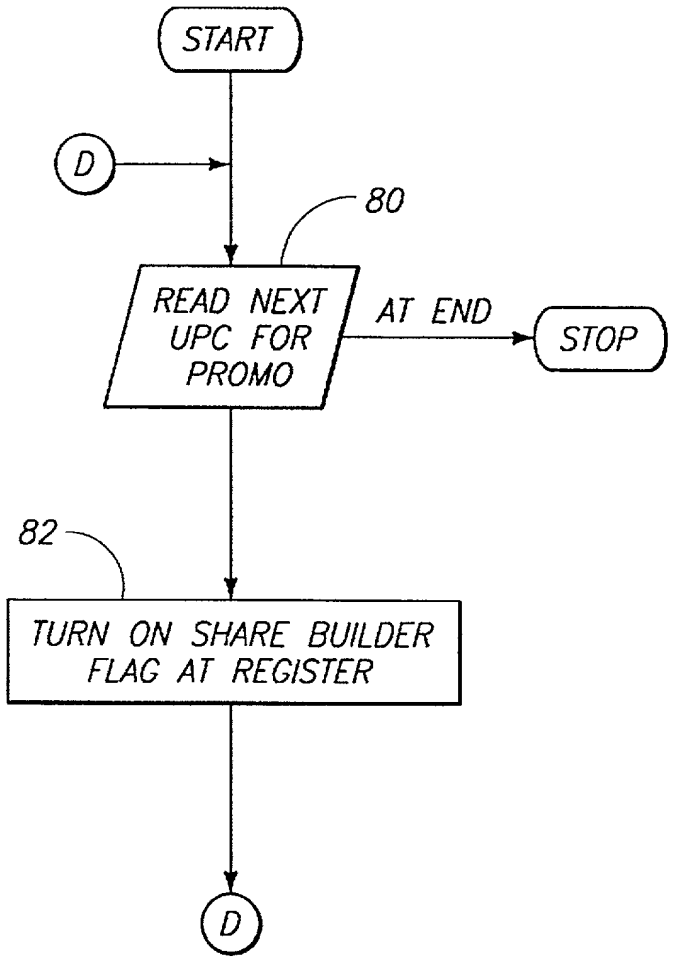
START
D
80
READ NEXT UPC FOR PROMO
AT END
STOP
82
TURN ON SHARE BUILDER FLAG AT REGISTER
D

Fig 4

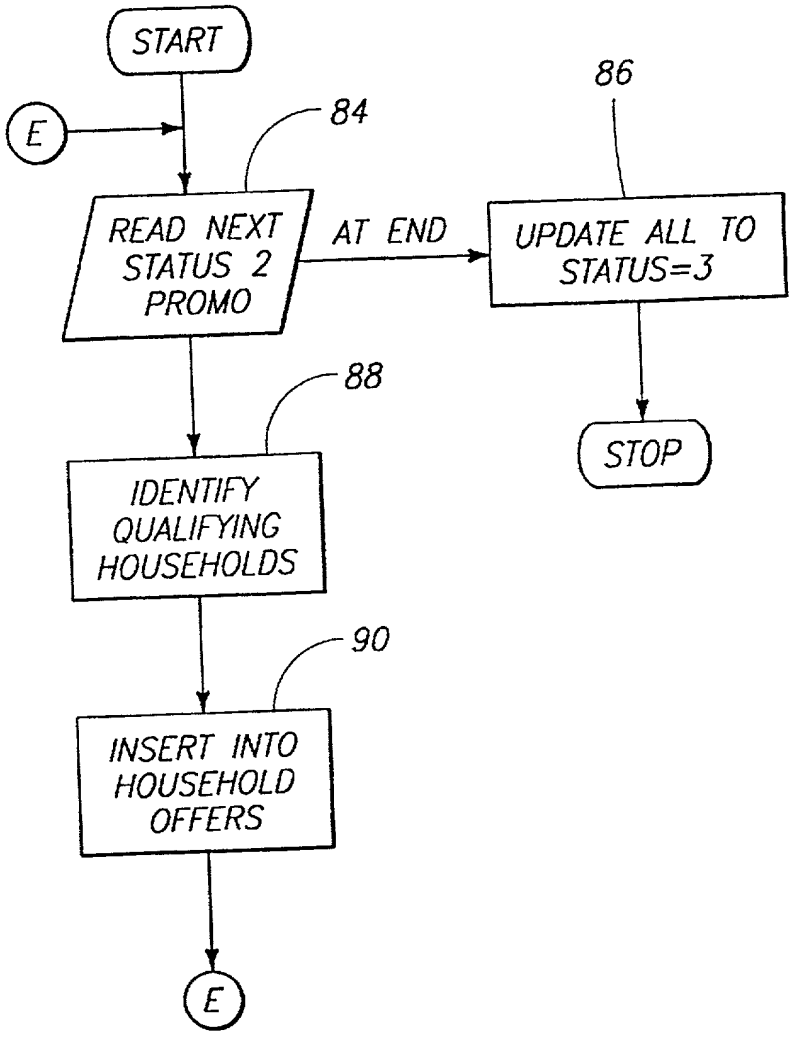
START
E
84
READ NEXT STATUS 2 PROMO
AT END
86
UPDATE ALL TO STATUS=3
STOP
88
IDENTIFY QUALIFYING HOUSEHOLDS
90
INSERT INTO HOUSEHOLD OFFERS
E

Fig 5

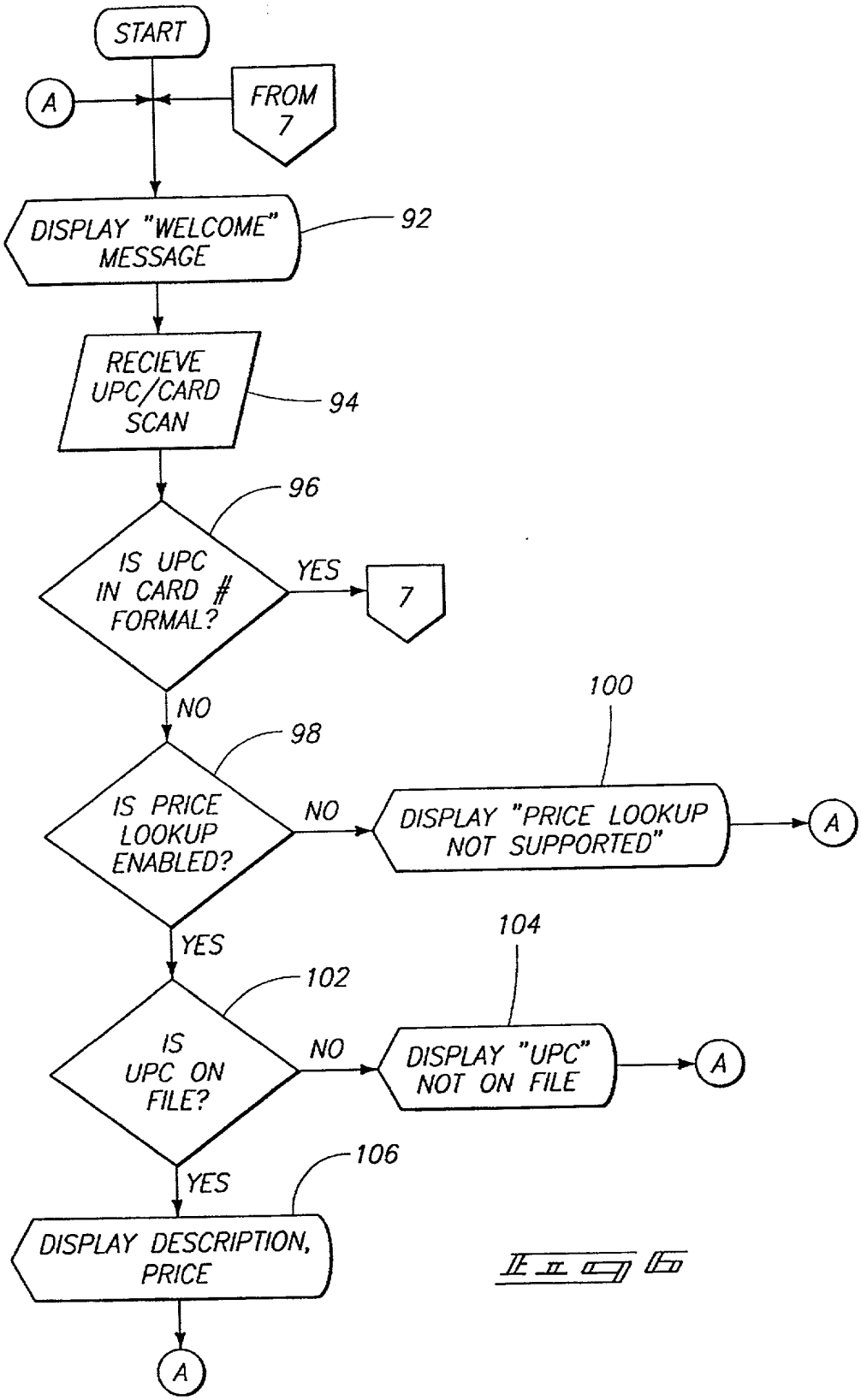
START
A
FROM 7
DISPLAY "WELCOME" MESSAGE
92
RECIEVE UPC/CARD SCAN
94
96
IS UPC IN CARD # FORMAL?
YES
7
NO
98
IS PRICE LOOKUP ENABLED?
NO
100
DISPLAY "PRICE LOOKUP NOT SUPPORTED"
A
YES
102
IS UPC ON FILE?
NO
104
DISPLAY "UPC" NOT ON FILE
A
YES
106
DISPLAY DESCRIPTION, PRICE
A

Fig 6

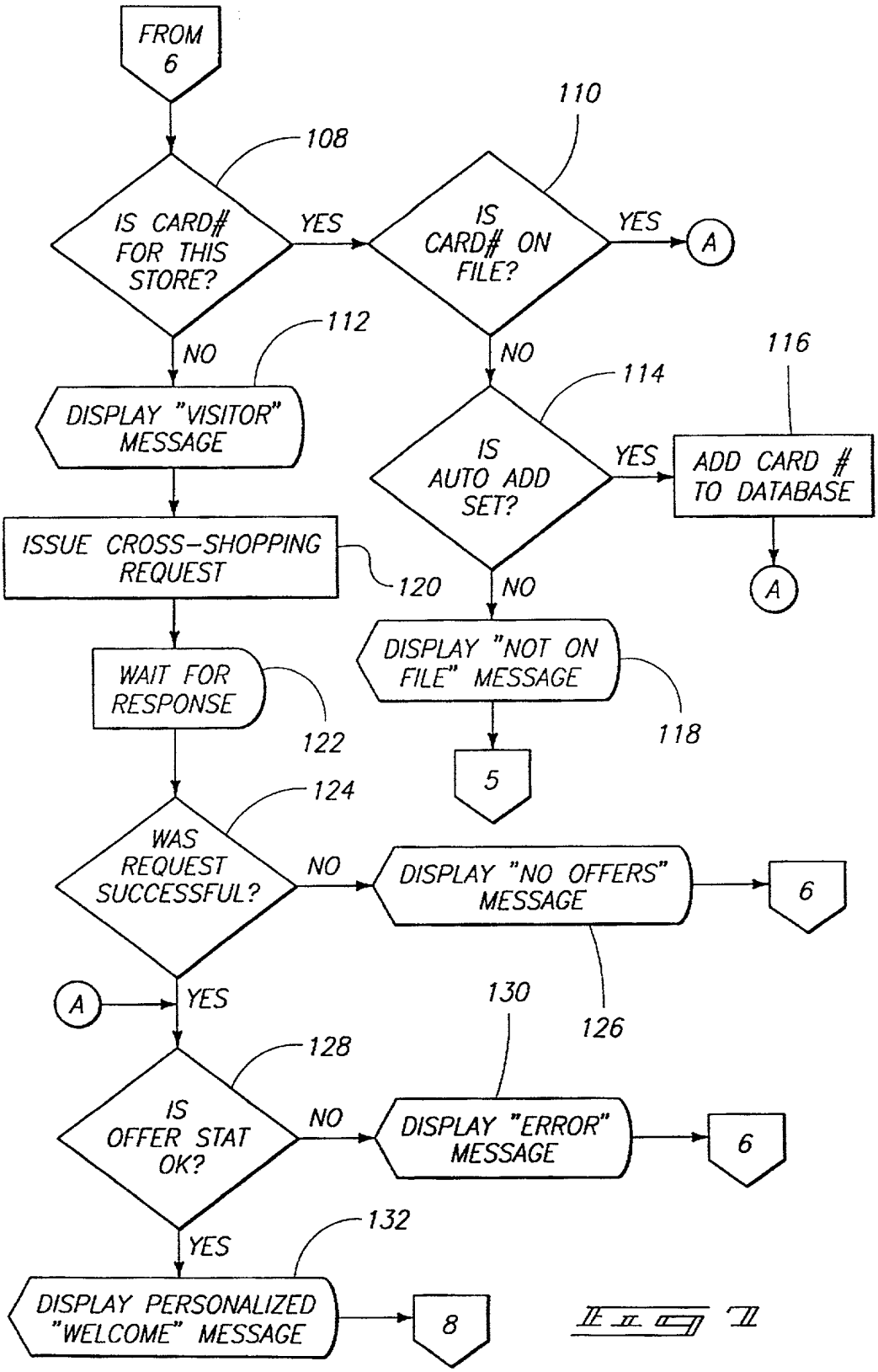
FROM 6
108
IS CARD# FOR THIS STORE?
YES
110
IS CARD# ON FILE?
YES
A
NO
112
DISPLAY "VISITOR" MESSAGE
NO
114
IS AUTO ADD SET?
YES
116
ADD CARD # TO DATABASE
A
ISSUE CROSS-SHOPPING REQUEST
120
NO
DISPLAY "NOT ON FILE" MESSAGE
118
5
WAIT FOR RESPONSE
122
124
WAS REQUEST SUCCESSFUL?
NO
DISPLAY "NO OFFERS" MESSAGE
6
126
A
YES
130
128
IS OFFER STAT OK?
NO
DISPLAY "ERROR" MESSAGE
6
YES
132
DISPLAY PERSONALIZED "WELCOME" MESSAGE
8

Fig. 11

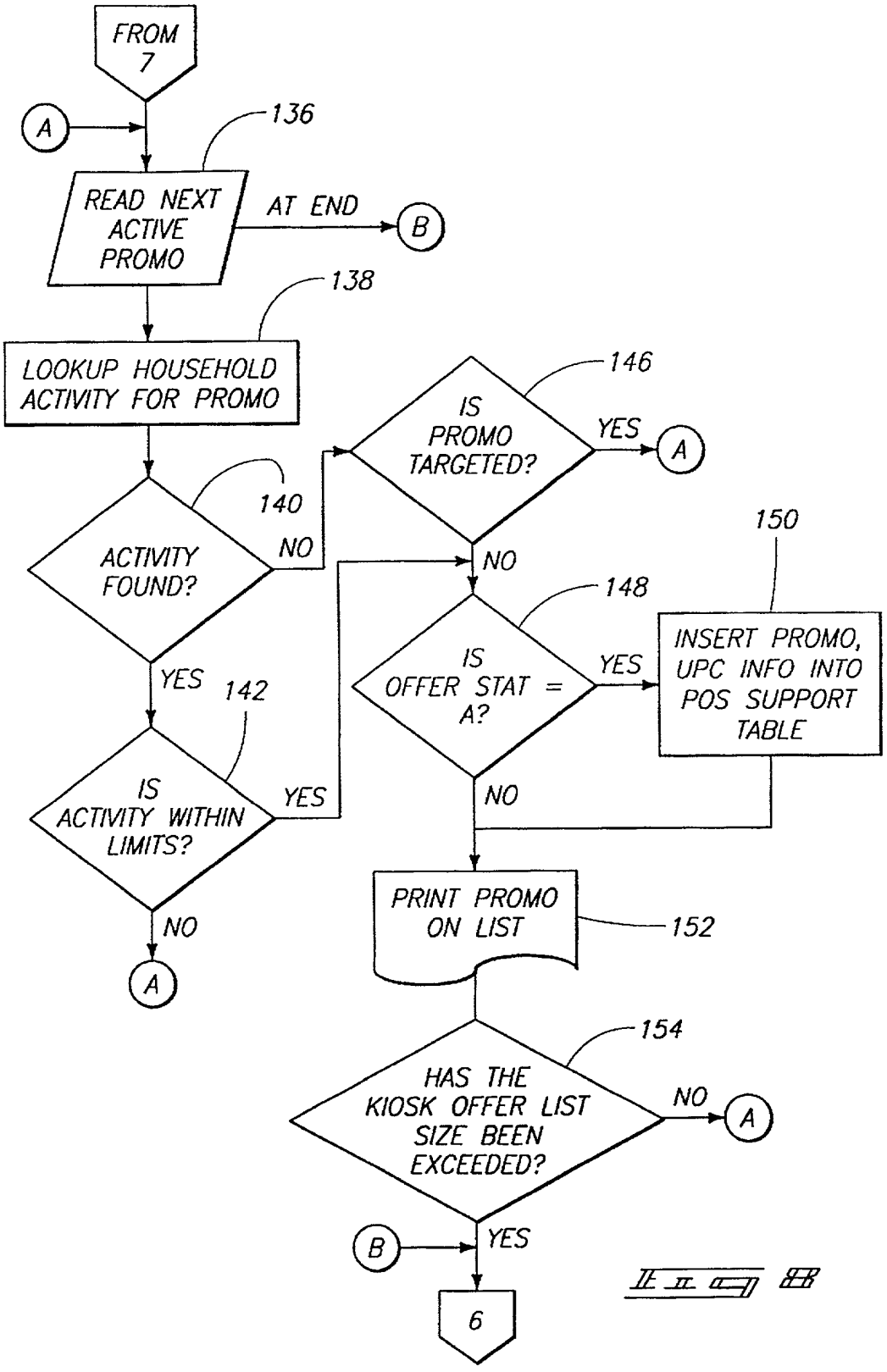
FROM 7
A
136
READ NEXT ACTIVE PROMO
AT END
B
138
LOOKUP HOUSEHOLD ACTIVITY FOR PROMO
140
ACTIVITY FOUND?
NO
YES
142
IS ACTIVITY WITHIN LIMITS?
YES
NO
A
146
IS PROMO TARGETED?
YES
A
NO
148
IS OFFER STAT = A?
YES
150
INSERT PROMO, UPC INFO INTO POS SUPPORT TABLE
NO
PRINT PROMO ON LIST
152
154
HAS THE KIOSK OFFER LIST SIZE BEEN EXCEEDED?
NO
A
B
YES
6

Fig. 8B

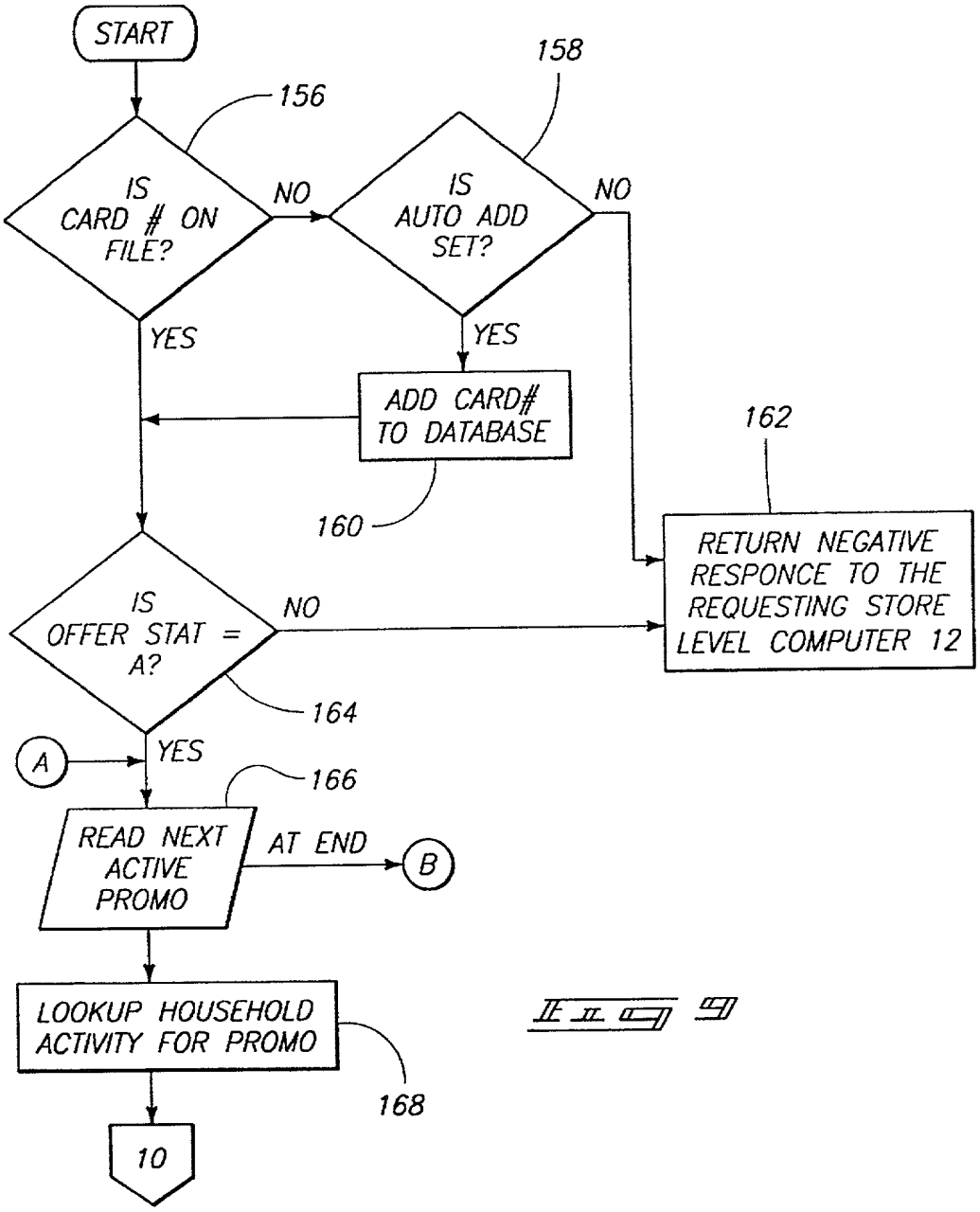
START
156
158
IS CARD # ON FILE?
NO
IS AUTO ADD SET?
NO
YES
YES
ADD CARD# TO DATABASE
160
162
RETURN NEGATIVE RESPONCE TO THE REQUESTING STORE LEVEL COMPUTER 12
IS OFFER STAT = A?
NO
164
A
YES
166
READ NEXT ACTIVE PROMO
AT END
B
LOOKUP HOUSEHOLD ACTIVITY FOR PROMO
168
10

Fig 9

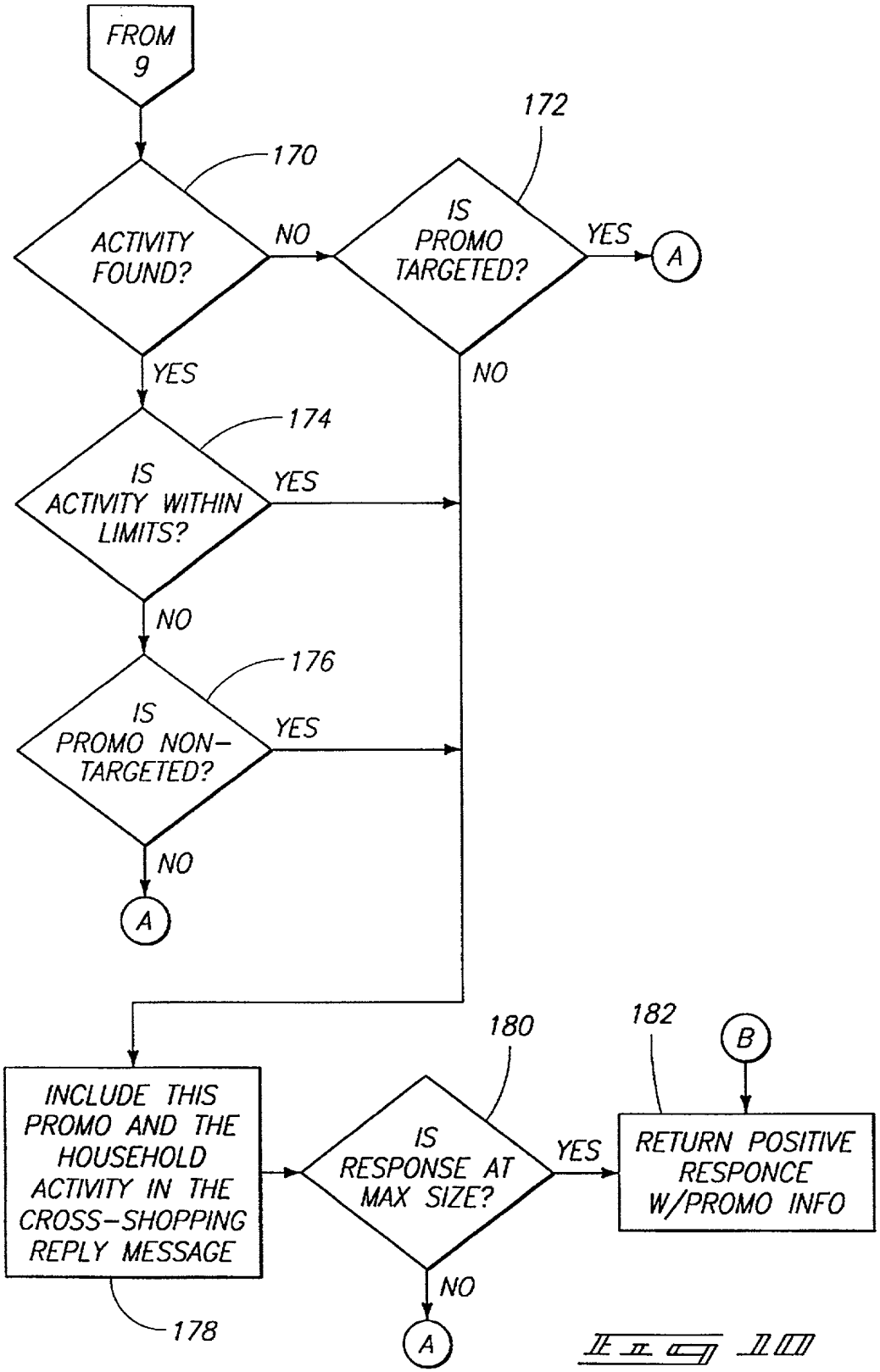
FROM 9
170
ACTIVITY FOUND?
NO
172
IS PROMO TARGETED?
YES
A
YES
NO
174
IS ACTIVITY WITHIN LIMITS?
YES
NO
176
IS PROMO NON-TARGETED?
YES
NO
A
INCLUDE THIS PROMO AND THE HOUSEHOLD ACTIVITY IN THE CROSS-SHOPPING REPLY MESSAGE
178
180
IS RESPONSE AT MAX SIZE?
YES
NO
A
182
B
RETURN POSITIVE RESPONCE W/PROMO INFO

Fig. 11

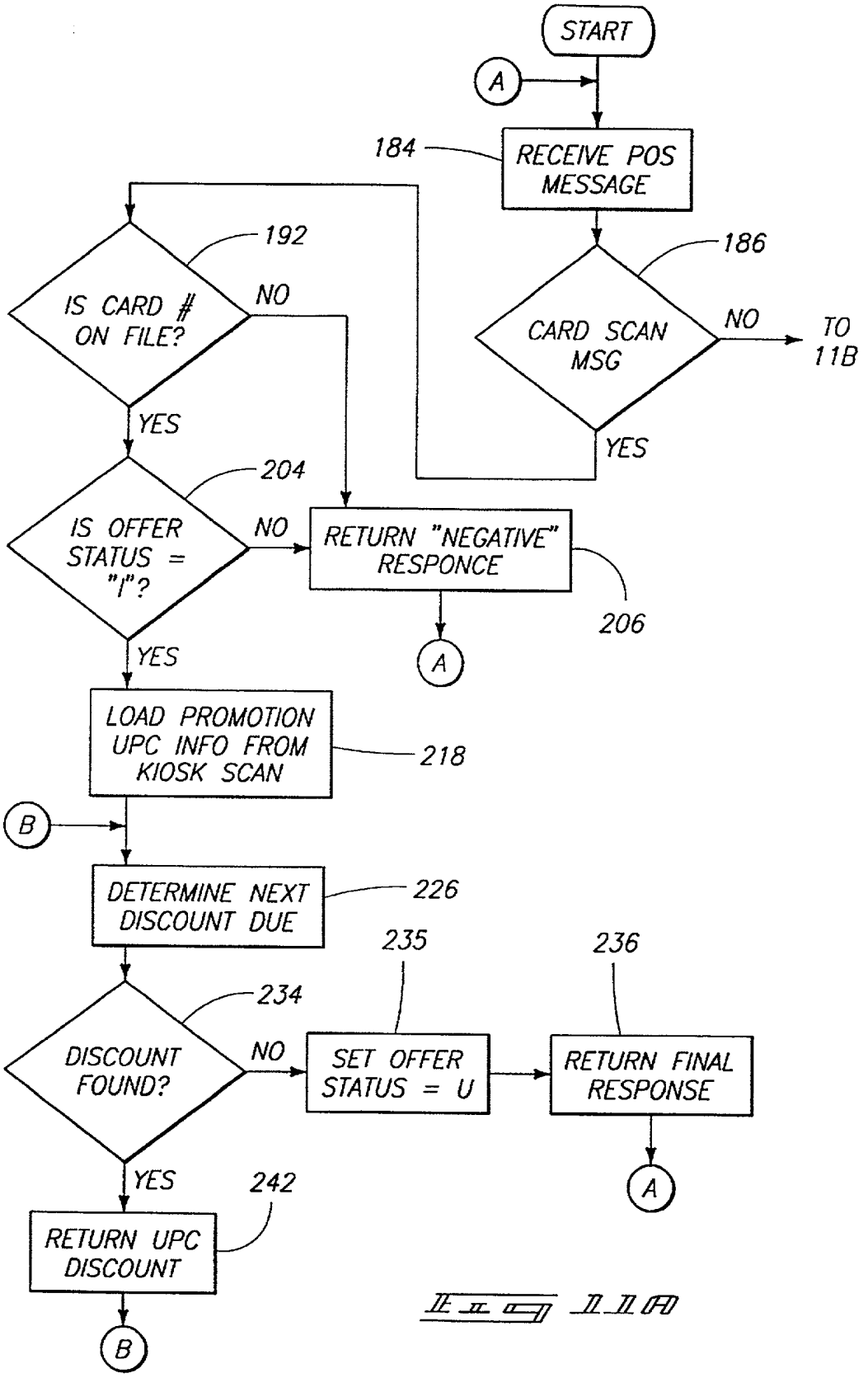
START
A
184
RECEIVE POS MESSAGE
186
CARD SCAN MSG
NO
TO 11B
YES
192
IS CARD # ON FILE?
NO
YES
204
IS OFFER STATUS = "I"?
NO
RETURN "NEGATIVE" RESPONCE
206
A
YES
LOAD PROMOTION UPC INFO FROM KIOSK SCAN
218
B
DETERMINE NEXT DISCOUNT DUE
226
235
236
234
DISCOUNT FOUND?
NO
SET OFFER STATUS = U
RETURN FINAL RESPONSE
A
YES
242
RETURN UPC DISCOUNT
B

Fig. 11A

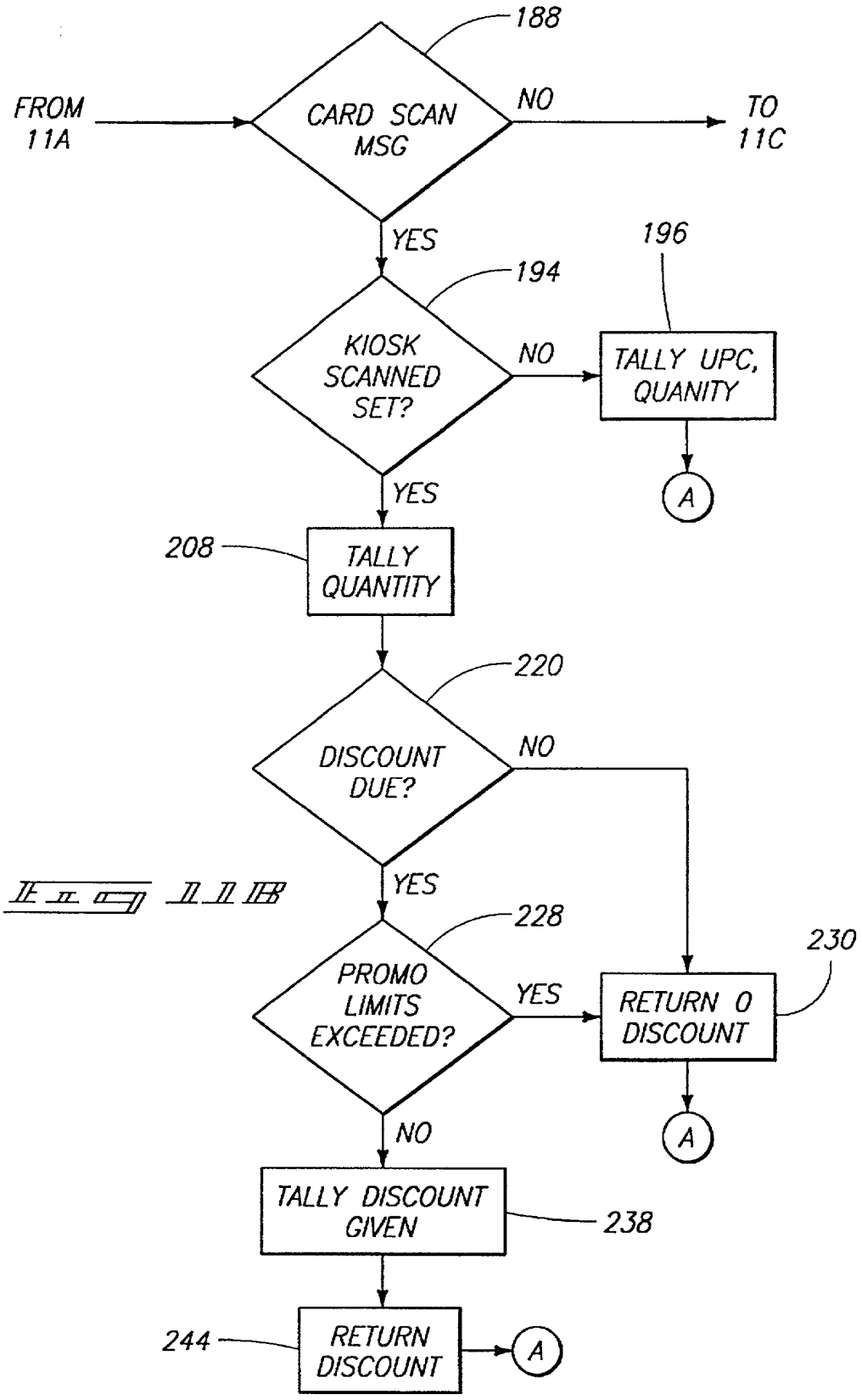
188
FROM 11A
CARD SCAN MSG
NO
TO 11C
YES
196
194
KIOSK SCANNED SET?
NO
TALLY UPC, QUANITY
A
YES
208
TALLY QUANTITY
220
DISCOUNT DUE?
NO
YES
228
230
PROMO LIMITS EXCEEDED?
YES
RETURN 0 DISCOUNT
A
NO
TALLY DISCOUNT GIVEN
238
244
RETURN DISCOUNT
A

Fig. 11B

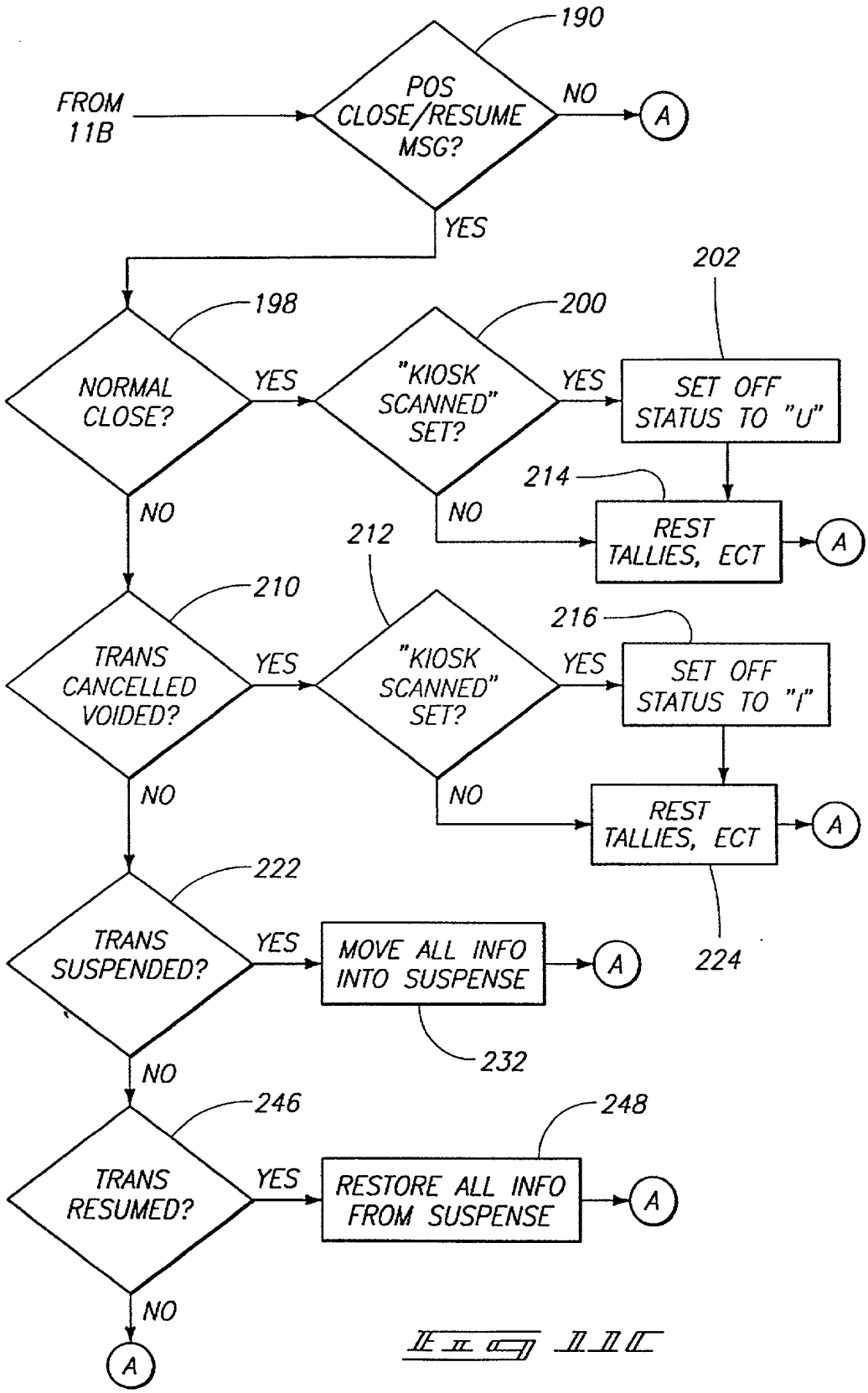
FROM 11B
190
POS CLOSE/RESUME MSG?
NO
A
YES
202
198
200
NORMAL CLOSE?
YES
"KIOSK SCANNED" SET?
YES
SET OFF STATUS TO "U"
214
NO
NO
REST TALLIES, ECT
A
212
210
216
TRANS CANCELLED VOIDED?
YES
"KIOSK SCANNED" SET?
YES
SET OFF STATUS TO "I"
NO
NO
REST TALLIES, ECT
A
222
224
TRANS SUSPENDED?
YES
MOVE ALL INFO INTO SUSPENSE
A
232
NO
246
248
TRANS RESUMED?
YES
RESTORE ALL INFO FROM SUSPENSE
A
NO
A

Fig. 11C

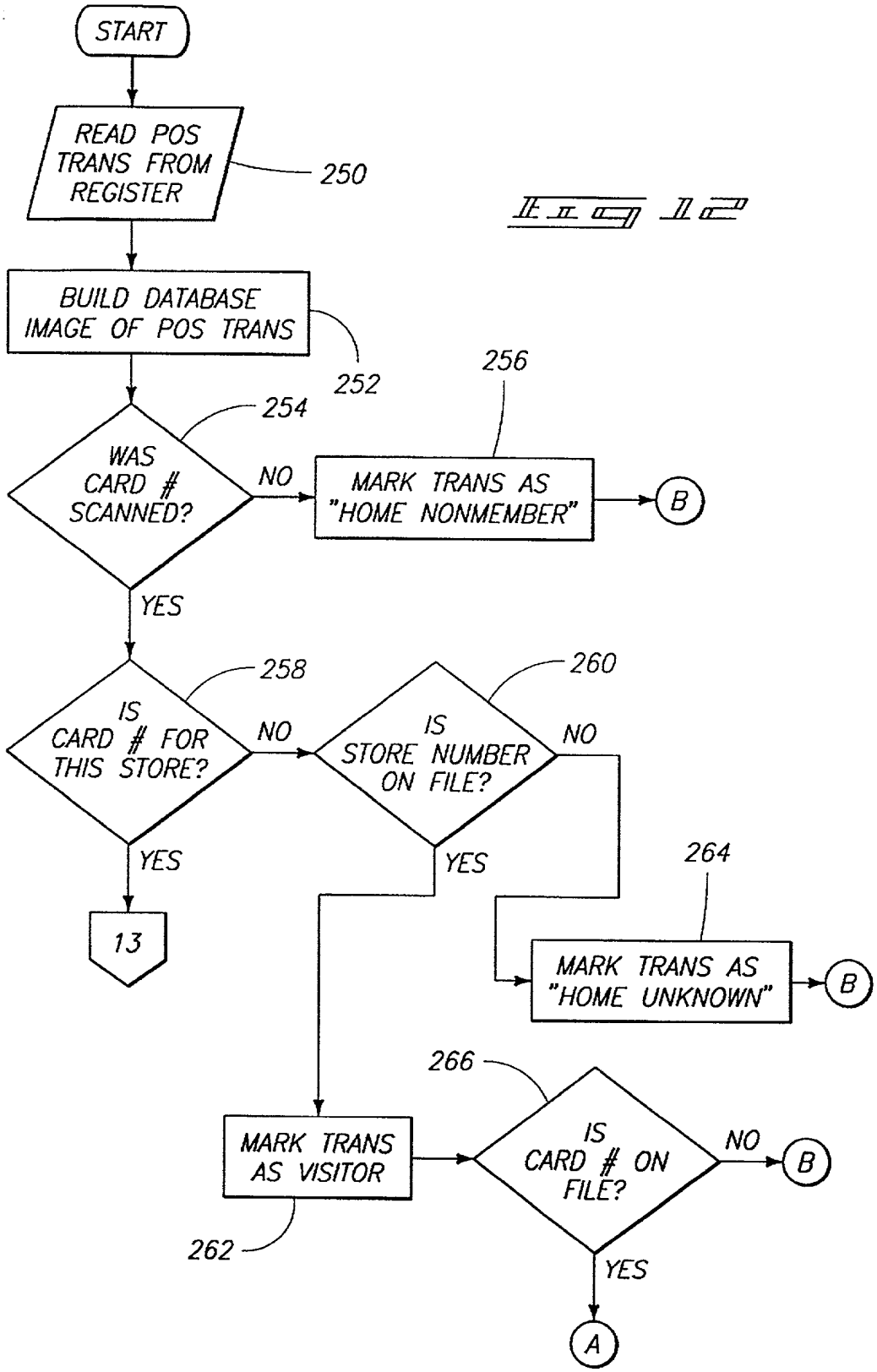
START
READ POS TRANS FROM REGISTER
250
BUILD DATABASE IMAGE OF POS TRANS
252
WAS CARD # SCANNED?
254
NO
MARK TRANS AS "HOME NONMEMBER"
256
B
YES
IS CARD # FOR THIS STORE?
258
NO
IS STORE NUMBER ON FILE?
260
NO
YES
YES
13
MARK TRANS AS "HOME UNKNOWN"
264
B
MARK TRANS AS VISITOR
262
IS CARD # ON FILE?
266
NO
B
YES
A

Fig. 12

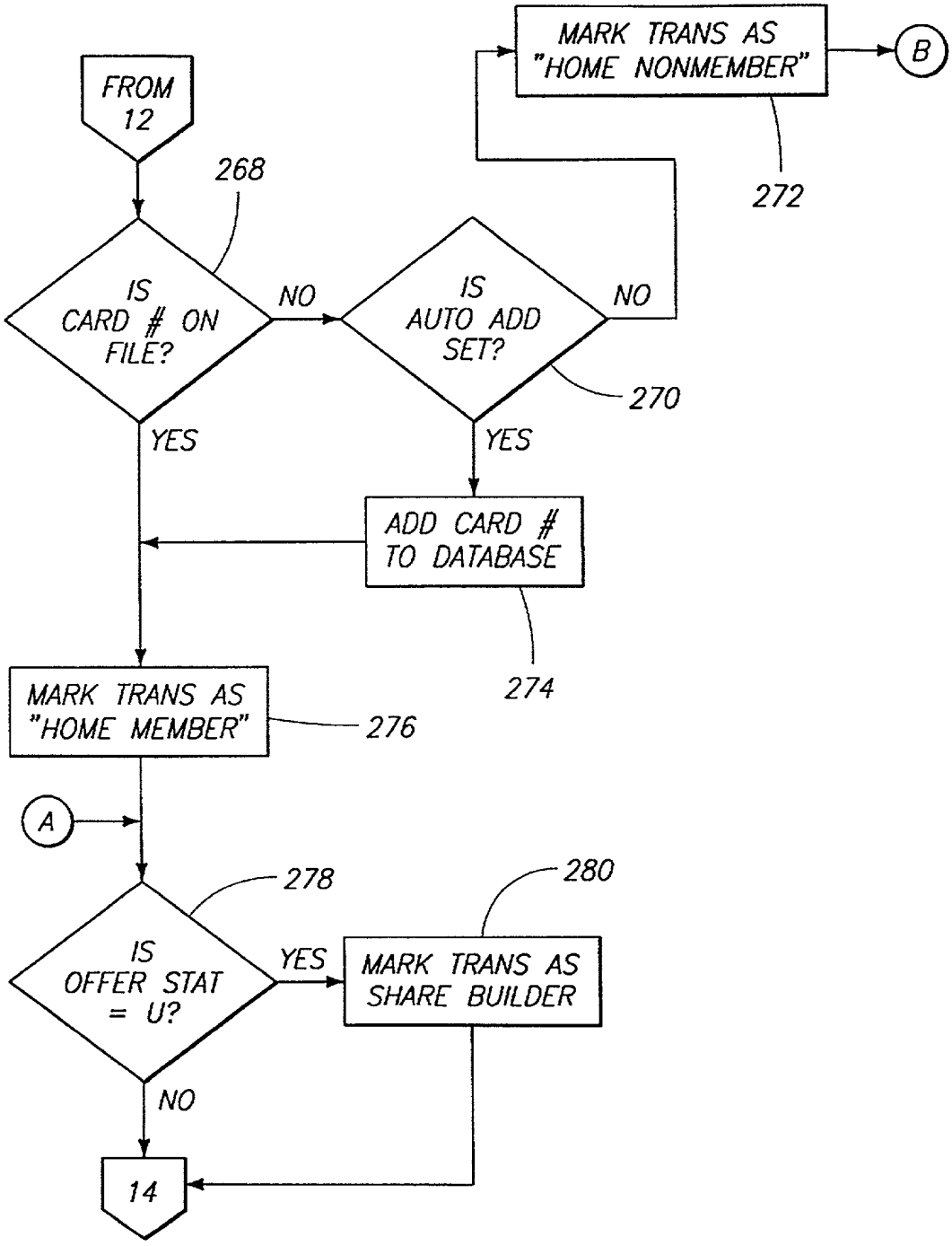
FROM 12
268
IS CARD # ON FILE?
NO
IS AUTO ADD SET?
NO
MARK TRANS AS "HOME NONMEMBER"
B
272
270
YES
YES
ADD CARD # TO DATABASE
274
MARK TRANS AS "HOME MEMBER"
276
A
278
IS OFFER STAT = U?
YES
280
MARK TRANS AS SHARE BUILDER
NO
14

Fig 13

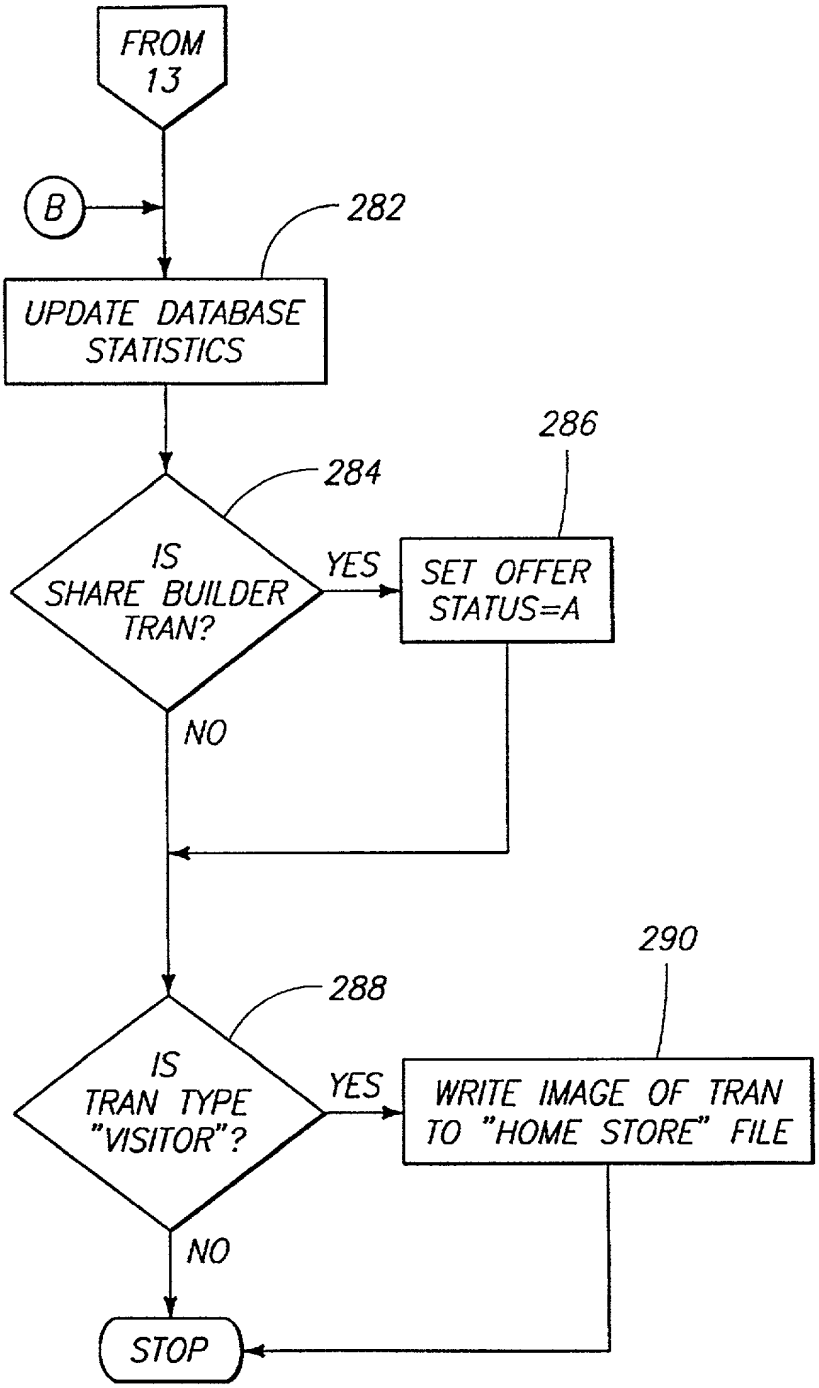
FROM 13
B
282
UPDATE DATABASE STATISTICS
284
286
IS SHARE BUILDER TRAN?
YES
SET OFFER STATUS=A
NO
290
288
IS TRAN TYPE "VISITOR"?
YES
WRITE IMAGE OF TRAN TO "HOME STORE" FILE
NO
STOP

Fig. 11a

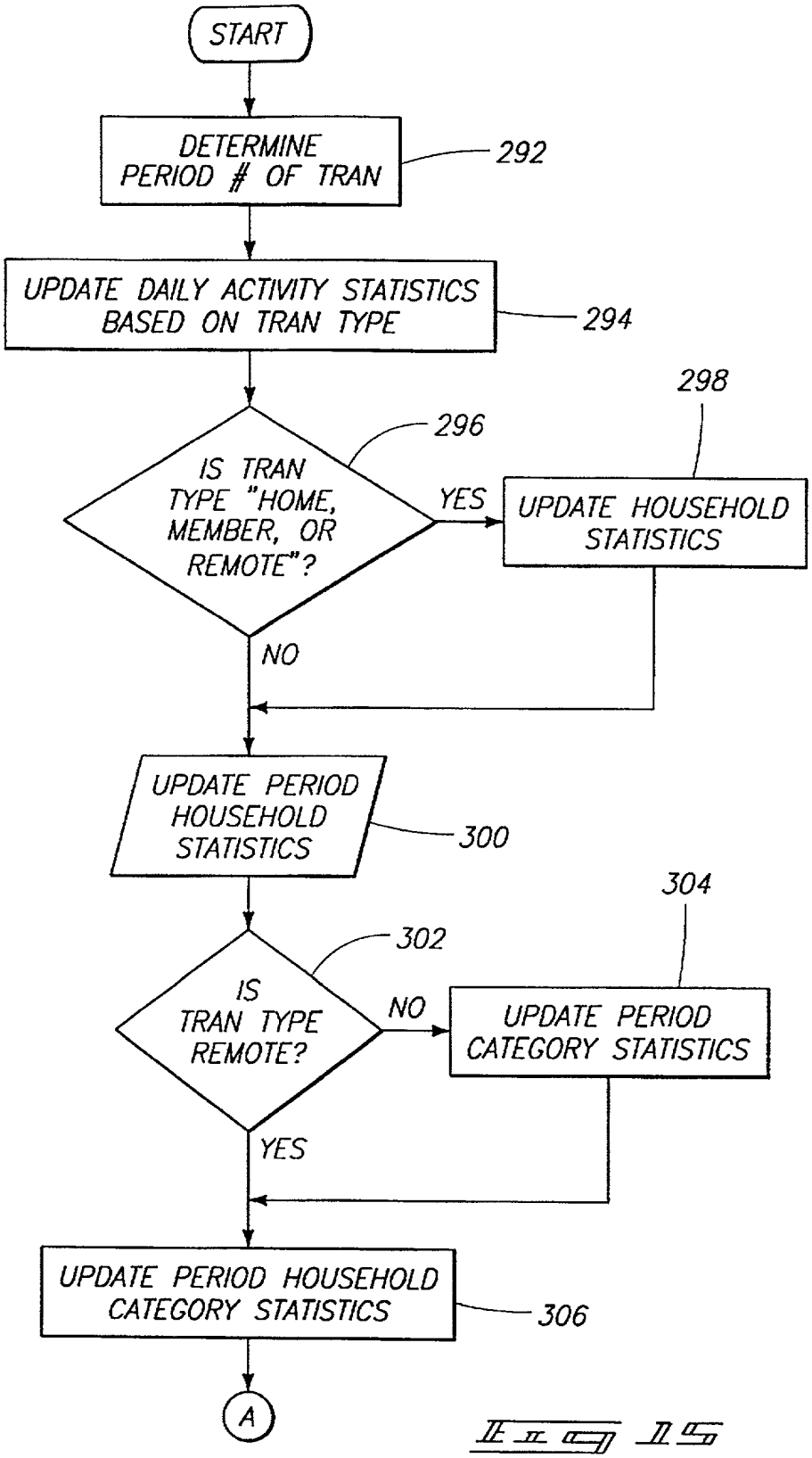
START
DETERMINE PERIOD # OF TRAN
292
UPDATE DAILY ACTIVITY STATISTICS BASED ON TRAN TYPE
294
298
296
IS TRAN TYPE "HOME, MEMBER, OR REMOTE"?
YES
UPDATE HOUSEHOLD STATISTICS
NO
UPDATE PERIOD HOUSEHOLD STATISTICS
300
304
302
IS TRAN TYPE REMOTE?
NO
UPDATE PERIOD CATEGORY STATISTICS
YES
UPDATE PERIOD HOUSEHOLD CATEGORY STATISTICS
306
A

Fig 15

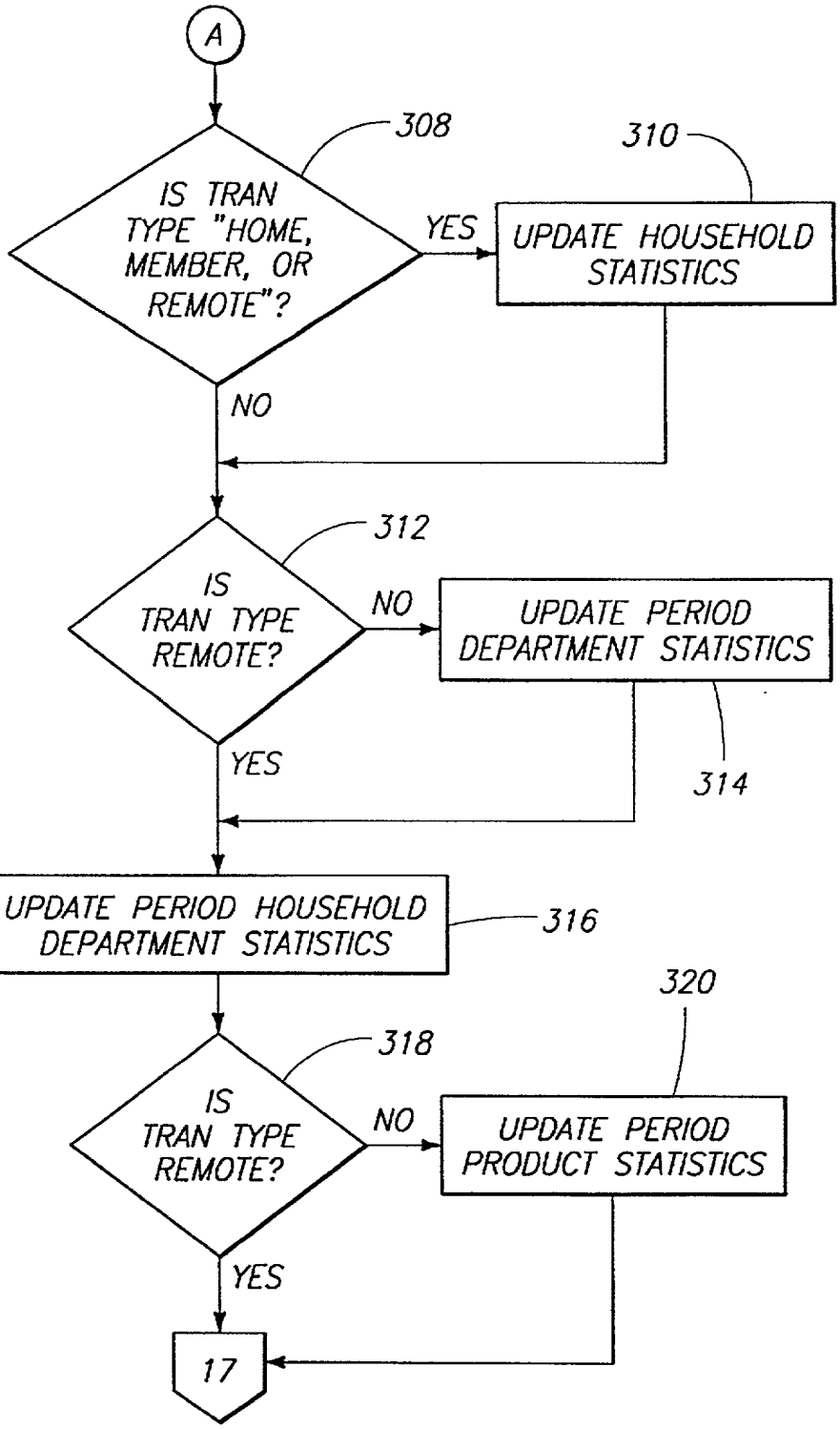
A
308
IS TRAN TYPE "HOME, MEMBER, OR REMOTE"?
YES
310
UPDATE HOUSEHOLD STATISTICS
NO
312
IS TRAN TYPE REMOTE?
NO
UPDATE PERIOD DEPARTMENT STATISTICS
314
YES
UPDATE PERIOD HOUSEHOLD DEPARTMENT STATISTICS
316
320
318
IS TRAN TYPE REMOTE?
NO
UPDATE PERIOD PRODUCT STATISTICS
YES
17

Fig 16

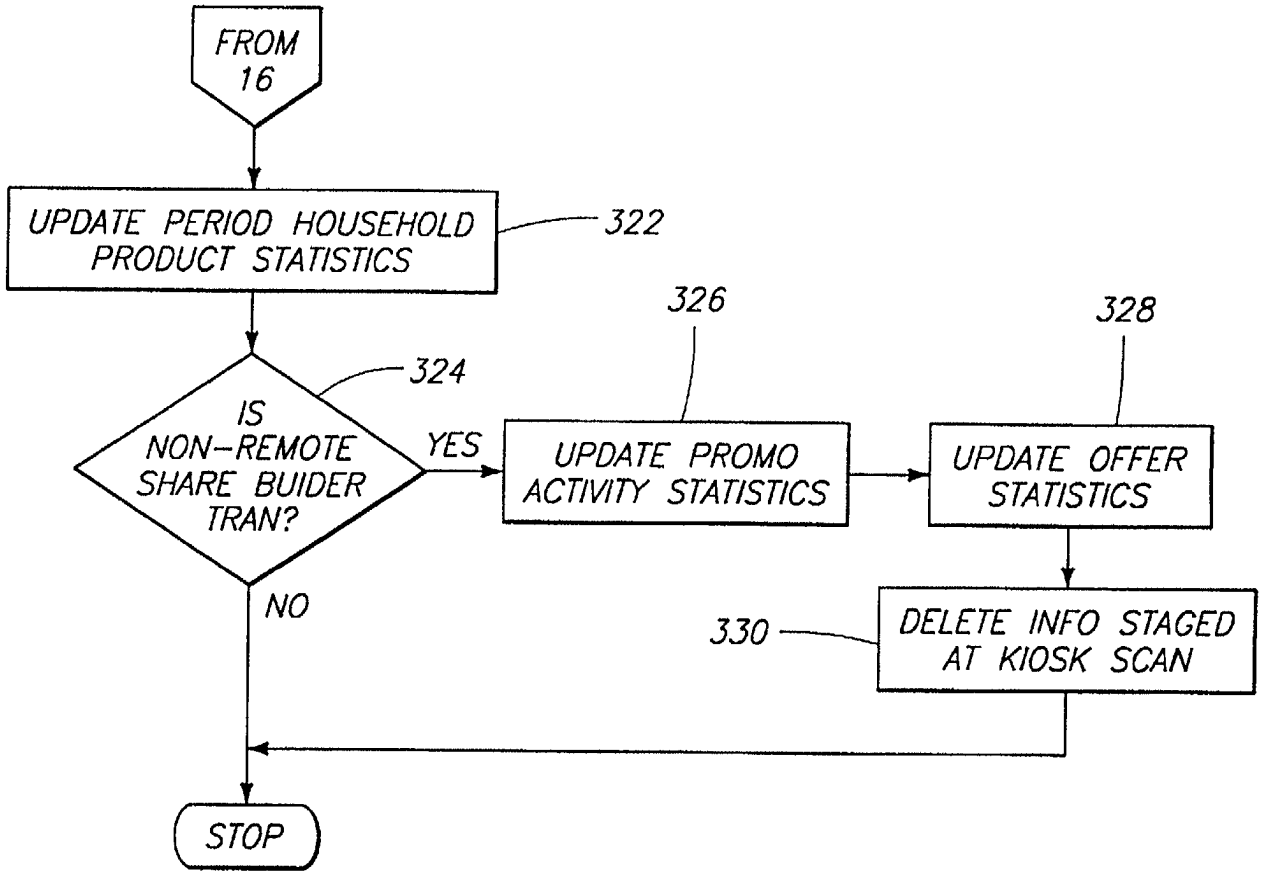
FROM 16
UPDATE PERIOD HOUSEHOLD PRODUCT STATISTICS
322
326
328
324
IS NON-REMOTE SHARE BUIDER TRAN?
YES
UPDATE PROMO ACTIVITY STATISTICS
UPDATE OFFER STATISTICS
NO
330
DELETE INFO STAGED AT KIOSK SCAN
STOP

Fig. 11

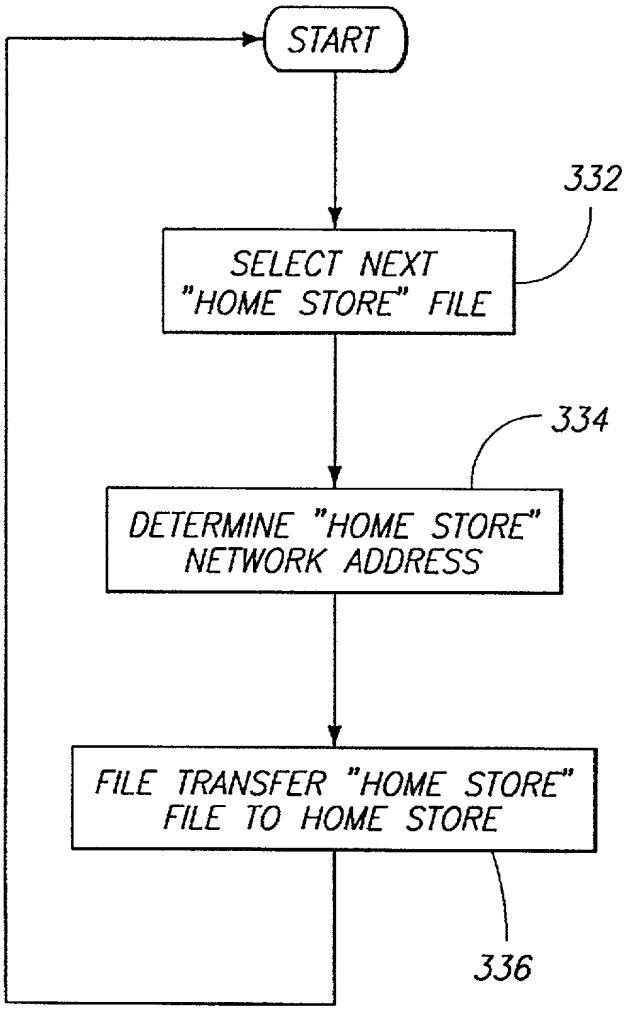
START
332
SELECT NEXT "HOME STORE" FILE
334
DETERMINE "HOME STORE" NETWORK ADDRESS
FILE TRANSFER "HOME STORE" FILE TO HOME STORE
336

Fig. 18B

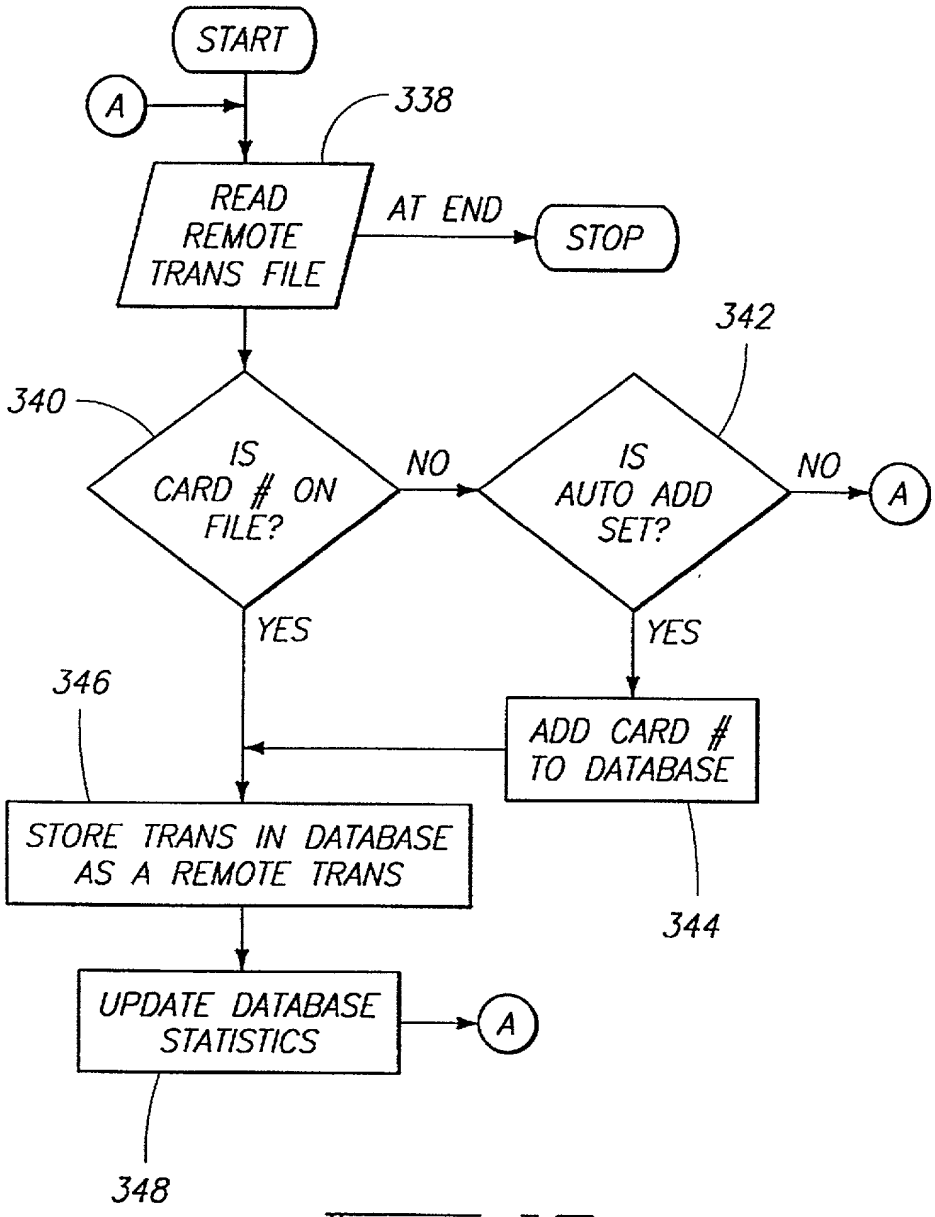
START
A
338
READ REMOTE TRANS FILE
AT END
STOP
342
340
IS CARD # ON FILE?
NO
IS AUTO ADD SET?
NO
A
YES
YES
346
ADD CARD # TO DATABASE
STORE TRANS IN DATABASE AS A REMOTE TRANS
344
UPDATE DATABASE STATISTICS
A
348

Fig 19

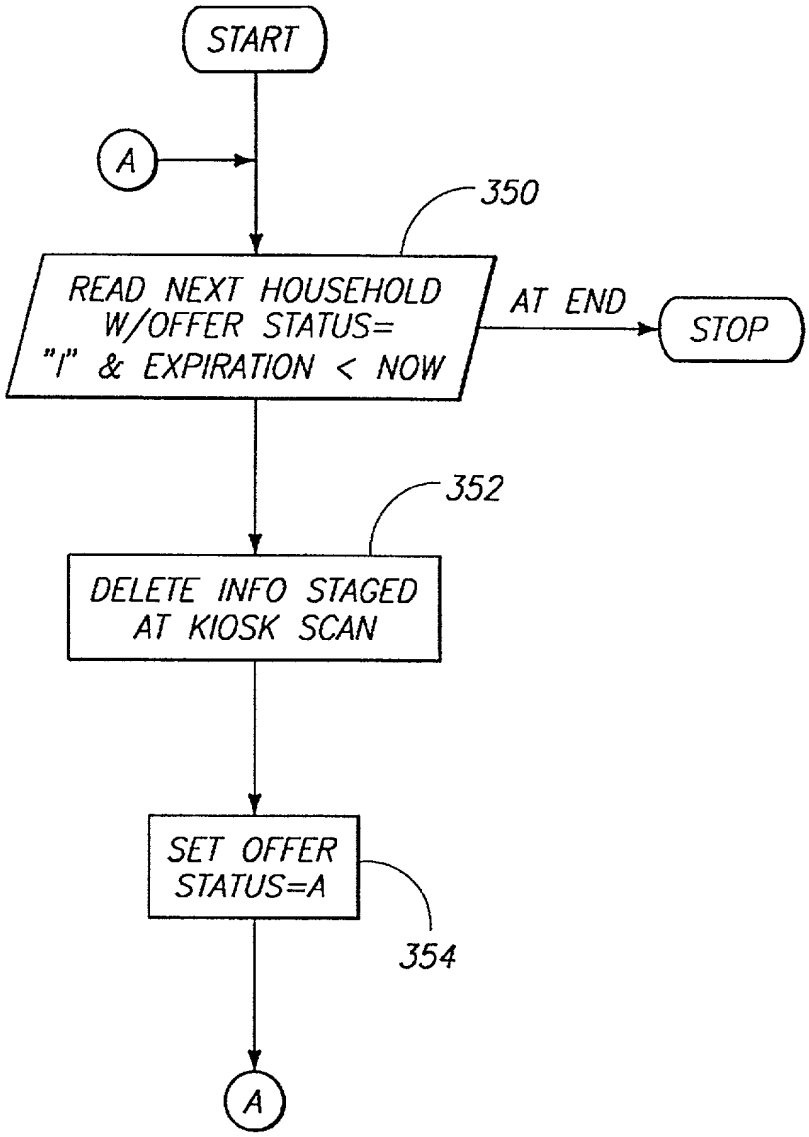
START
A
350
READ NEXT HOUSEHOLD W/OFFER STATUS= "I" & EXPIRATION < NOW
AT END
STOP
352
DELETE INFO STAGED AT KIOSK SCAN
SET OFFER STATUS=A
354
A

Fig 20

TOSA90 "TE088860

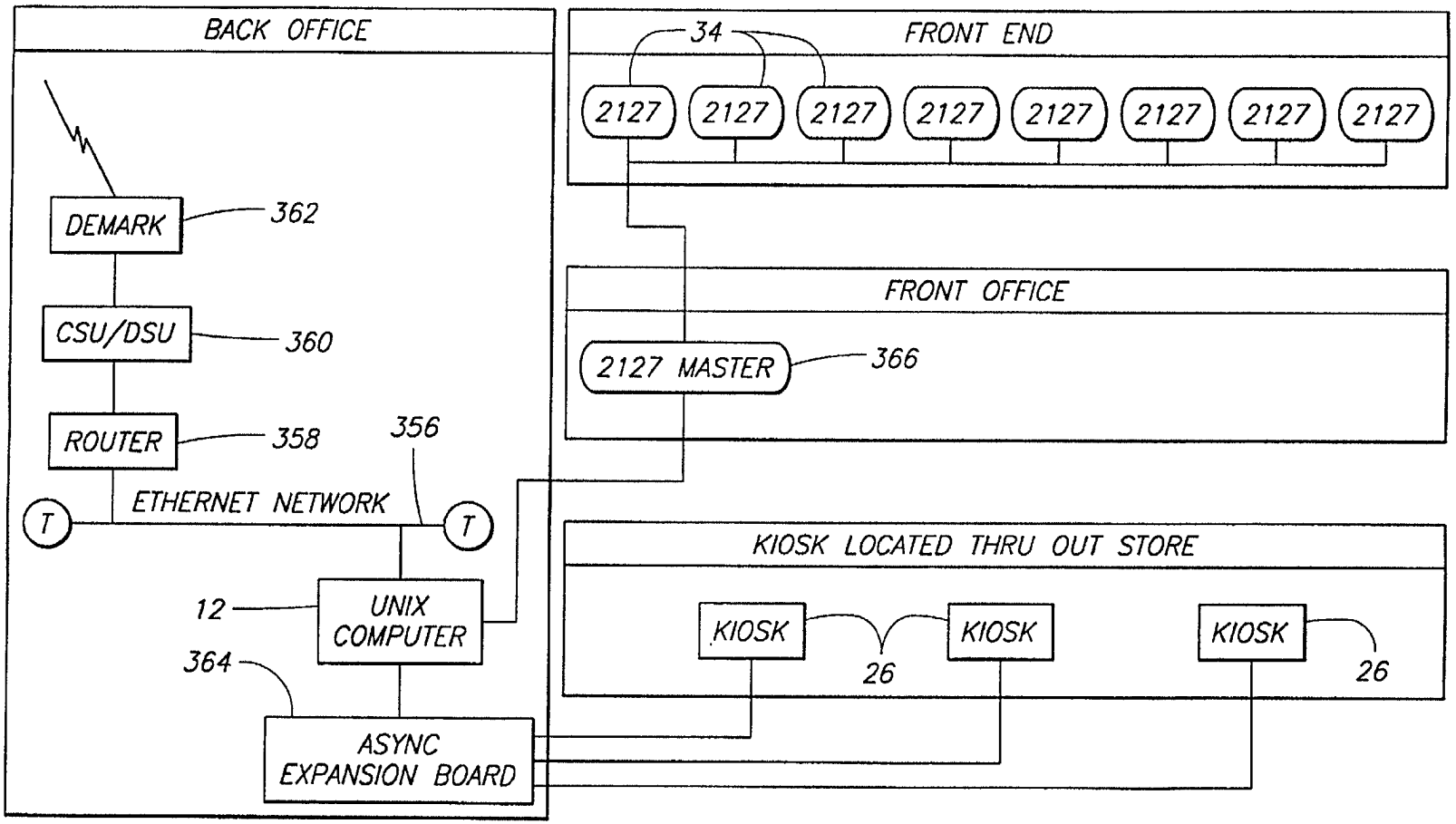

FIG. 1

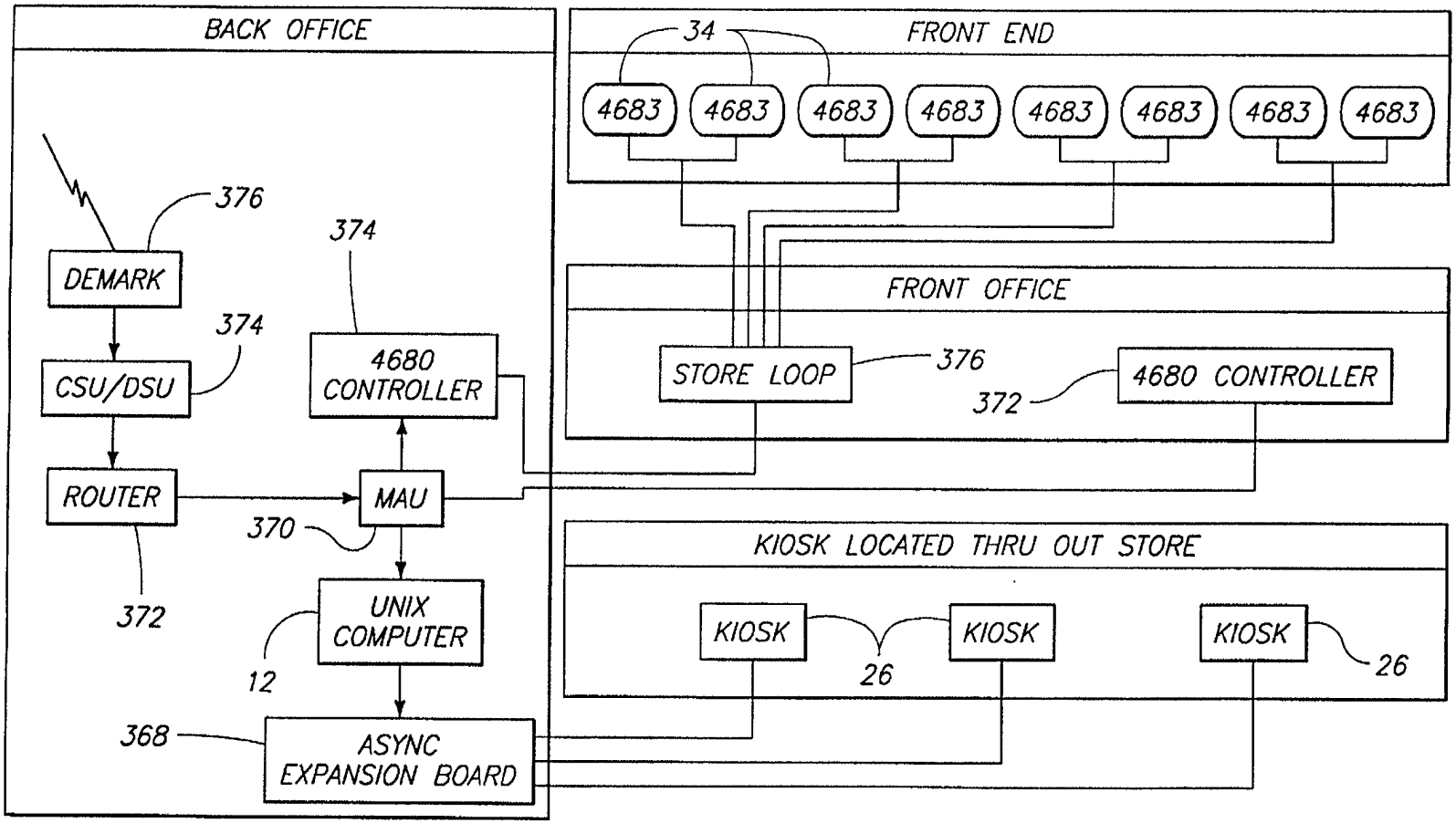
BACK OFFICE
FRONT END
34
4683
4683
4683
4683
4683
4683
4683
4683
376
374
DEMARK
374
CSU/DSU
4680 CONTROLLER
FRONT OFFICE
STORE LOOP
376
372
4680 CONTROLLER
ROUTER
MAU
370
372
KIOSK LOCATED THRU OUT STORE
UNIX COMPUTER
KIOSK
KIOSK
KIOSK
26
26
12
368
ASYNC EXPANSION BOARD

Fig 2